

## Datasheet: VPA00494

<b>Description:</b>	RABBIT ANTI HIGH MOBILITY GROUP PROTEIN B2
<b>Specificity:</b>	HIGH MOBILITY GROUP PROTEIN B2
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid.

### Preparation

Rabbit polyclonal antibody purified by affinity chromatography.

### Buffer Solution

Phosphate buffered saline.

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)  
2% Sucrose.

### Approx. Protein Concentrations

IgG concentration 0.5 mg/ml.

<b>Immunogen</b>	Synthetic peptide directed towards the C terminal region of human high mobility group protein B2
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P26583</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3148</a>    HMGB2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	HMG2
<b>Specificity</b>	<p><b>Rabbit anti Human high mobility group protein B2 antibody</b> recognizes high mobility group protein B2, also known as HMG-2, high mobility group protein 2, high-mobility group (non-histone chromosomal) protein 2 or high-mobility group box 2.</p> <p>HMG-2 gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. <i>In vitro</i> HMG-2 is able to efficiently bend DNA and form DNA circles (<a href="#">Paull et al. 1993</a>) suggesting a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. HMG-B2 is involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination (<a href="#">Nagaki et al. 1998</a>) .</p> <p>Rabbit anti Human high mobility group protein B2 antibody detects a band of 28 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti high mobility group protein B2 detects a band of approximately 28 kDa in HEK293 cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10045 available at: Antibody (10045): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf</a>
<b>Regulatory</b>	For research purposes only.

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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